

# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

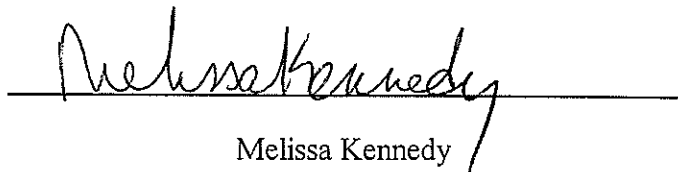
CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010544  
CERTIFICATION DATE: September 17, 2013  
DATE RECERTIFICATION DUE: March 16, 2014

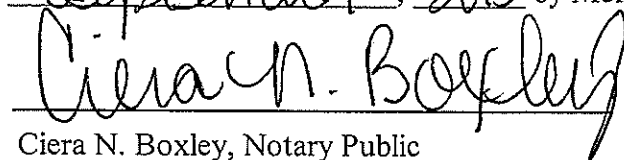
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

  
Melissa Kennedy

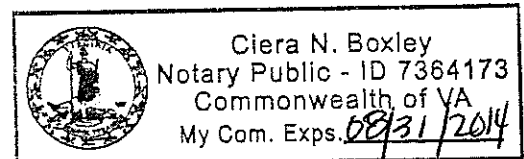
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 23<sup>rd</sup> day of September, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 9/20/2013**

HMS  
DBH

**Instrument Serial Number: 010544**

**As of 20-Sep-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
17-Sep-13	17-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
01-Apr-13	01-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
06-Dec-12	06-Dec-12	DBH (21250)	CERTIFIED.
22-Oct-12	22-Oct-12	DBH (21250)	CALIBRATED, FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
25-Oct-10	19-Aug-10	HMS (18910)	REPLACED DRY GAS STANDARD.
19-Aug-10	19-Aug-10	HMS (18910)	CERTIFIED
08-Jul-10	11-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
21-Jun-10	11-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
11-Mar-10	11-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
18-Dec-09	28-Sep-09	NMJ (22392)	REPLACED DRY GAS STANDARD.
28-Sep-09	28-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED.
28-Jul-09	16-Apr-09	HMS (18910)	REPLACED DRY GAS STANDARD.
16-Apr-09	16-Apr-09	HMS (18910)	CERTIFIED.
14-Apr-09	14-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
10-Oct-08	10-Oct-08	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

**INTOX EC/IR II**  
**Quality Assurance Worksheet**

Instrument Serial Number 010544 Worksheet Start Date 9/17/2013  
Location Arlington Police Department  
Address 1425 N. Courthouse Rd., Arlington, VA 22201  
DFS Technician Heather Stanton License No. 18910  
☐ Laboratory ☒ On-Site

**Site Specifications**

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

E-Seek Old serial no. New serial no. Supplies  
Keyboard Mouthpieces  
Printer Certificates of Analysis  
UPS Operator Worksheet  
Other:

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010544

Certification Date 9/17/2013

Instrument Barometer (mm HG) 765

Reference Barometer (mm HG) 767

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.252	0.244	0.259	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.151	0.146	0.155	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.081	0.078	0.084	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-27

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.101	0.097	0.104	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician



Date

9/20/13

Issuing Analyst



Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

thng  
msh

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/17/2013
TEST EQUIPMENT NUMBER 010544		

RESULTS: TIME SAMPLE TAKEN 11:06 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 17 Sep 2013 at 11:15

See  
HMS  
NBL

## Test Results

Instrument Serial Number 010544

Test # 002790 Subject Test

Test Location 1 Department of  
Test Date 17 Sep 2013

Test Location 2 Forensic Science  
Test Time 10:59  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Sep 2013 End Time 11:07

Result Time 11:06

Result Date 17 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:59

Data Type BLK

Sample Value 0.000

Sample Time 11:00

Data Type CHK

Sample Value 0.101

Sample Time 11:01

Data Type BLK

Sample Value 0.000

Sample Time 11:02

Data Type SUBJ

Sample Value 0.000

Sample Time 11:03

Data Type BLK

Sample Value 0.000

Sample Time 11:04

Data Type SUBJ

Sample Value 0.000

Sample Time 11:06

Data Type BLK

Sample Value 0.000

Sample Time 11:07

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG204704-18

Standard Expiration Date 02/16/2014

Tank Pressure 110

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.43 sec

Blow Volume 1818 cc End-of-Blow Time 11:03

Blow Sample Number 2 Blow Duration 3.43 sec

Blow Volume 1777 cc End-of-Blow Time 11:06

Tamper Evident Stamp e4840963

Test Status Code 0

Test Status Success

HMS  
Nisk

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010544

System Date: 09/17/2013

System Time: 11:35 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HMS  
MDK

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2791

Test Date: 09/17/2013      Test Time: 11:39 EDT

Dry Gas Target: 0.101

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 732 psi      Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:40
CAL	0.101	11:41

Test Status: *Success*

Calibration CRC: C009F497



HMS  
Pusk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2792  
Test Date: 09/17/2013      Test Time: 11:44 EDT

Technician Initials: HMS

Dry Gas Target: 0.252

Lot Number: 29612250I2-08      Exp Date: 11/01/2014

Tank Pressure: 747 psi      Barometric Pressure: 765 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:45
BLK	0.000	11:46
CHK	0.250	11:47
BLK	0.000	11:49
CHK	0.250	11:50
BLK	0.000	11:51
CHK	0.249	11:52
BLK	0.000	11:53

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
NSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2793  
Test Date: 09/17/2013      Test Time: 11:55 EDT

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 07713150I3-04      Exp Date: 05/01/2015

Tank Pressure: 232 psi      Barometric Pressure: 765 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:56
BLK	0.000	11:57
CHK	0.152	11:57
BLK	0.000	11:59
CHK	0.152	12:00
BLK	0.000	12:01
CHK	0.152	12:02
BLK	0.000	12:03

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
WSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2794  
Test Date: 09/17/2013      Test Time: 12:05 EDT

Technician Initials: HMS

Dry Gas Target: 0.081

Lot Number: 0651208012-04      Exp Date: 04/01/2014

Tank Pressure: 301 psi      Barometric Pressure: 765 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:05
BLK	0.000	12:06
CHK	0.080	12:07
BLK	0.000	12:09
CHK	0.080	12:09
BLK	0.000	12:11
CHK	0.080	12:12
BLK	0.000	12:13

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS

Wsk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2795  
Test Date: 09/17/2013      Test Time: 12:14 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 325 psi      Barometric Pressure: 765 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:14
BLK	0.000	12:15
CHK	0.019	12:16
BLK	0.000	12:18
CHK	0.019	12:18
BLK	0.000	12:20
CHK	0.019	12:21
BLK	0.000	12:22

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS  
RDL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2796

Test Date: 09/17/2013      Test Time: 12:25 EDT

Dry Gas Target: 0.302

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 414 psi      Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:26
CHK	0.304	12:27
BLK	0.000	12:29
CHK	0.304	12:29
BLK	0.000	12:31
CHK	0.304	12:32

Test Status: *Success*

Calibration CRC: C009F497

THO  
NSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010544      Test Number: 2797

Test Date: 09/17/2013      Test Time: 12:34 EDT

Dry Gas Target: 0.101

Lot Number: AG316301-27      Exp Date: 06/12/2015

Tank Pressure: 1125 psi      Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:35
CHK	0.100	12:36
BLK	0.000	12:37
CHK	0.100	12:38
BLK	0.000	12:40
CHK	0.100	12:40

Test Status: *Success*

Calibration CRC: C009F497



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

tho  
msk

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  STANTON, HEATHER, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  18910	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  09/17/2013
TEST EQUIPMENT NUMBER  010544		

RESULTS: TIME SAMPLE TAKEN 12:48 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 20 Sep 2013 at 08:37

Handwritten initials: HNS and MSK

## Test Results

Instrument Serial Number 010544

Test # 002798 Subject Test

Test Location 1 Department of  
Test Date 17 Sep 2013

Test Location 2 Forensic Science  
Test Time 12:42  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Sep 2013 End Time 12:50

Result Time 12:48

Result Date 17 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:42

Data Type BLK

Sample Value 0.000

Sample Time 12:43

Data Type CHK

Sample Value 0.100

Sample Time 12:44

Data Type BLK

Sample Value 0.000

Sample Time 12:45

Data Type SUBJ

Sample Value 0.000

Sample Time 12:46

Data Type BLK

Sample Value 0.000

Sample Time 12:47

Data Type SUBJ

Sample Value 0.000

Sample Time 12:48

Data Type BLK

Sample Value 0.000

Sample Time 12:49

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG316301-27

Standard Expiration Date 06/12/2015

Tank Pressure 1125

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.39 sec

Blow Volume 1729 cc End-of-Blow Time 12:46

Blow Sample Number 2 Blow Duration 3.44 sec

Blow Volume 1811 cc End-of-Blow Time 12:48

Tamper Evident Stamp eab2d3b9

Test Status Code 0

Test Status Success